

WHAT IS CLAIMED IS:

- 1 1. A software application framework comprising:
 - 2 a framework interface domain for interfacing a platform domain with application
 - 3 domain software of an application domain;
 - 4 a software application domain comprising a first application entity; and
 - 5 wherein the first application entity is adapted to interact with at least one of:
 - 6 a second application entity;
 - 7 the framework interface domain;
 - 8 at least one utility entity; and
 - 9 at least one plug-in entity.

1 2. The software application framework of claim 1, wherein the application
2 domain further comprises:
3 the at least one utility entity;
4 the at least one plug-in entity;
5 wherein at least one of the at least one utility entity is adapted to use at least
6 one of:
7 the framework interface domain;
8 at least one of:
9 the first application entity;
10 the second application entity; and
11 a third application entity;
12 at least one of the at least one plug-in entity; and
13 at least one of the at least one utility entity; and
14 wherein the at least one plug-in entity is adapted to use the framework
15 interface domain.

1 3. The software application framework of claim 2, wherein the plug-in entity is
2 adapted to extend the functionality of the platform domain.

1 4. The software application framework of claim 2, wherein the plug-in entity is
2 adapted to appear to be a part of the framework interface domain.

1 5. The software application framework of claim 2, wherein the utility entity is
2 adapted to buffer and shield legacy code.

1 6. The software application framework of claim 2, wherein the application entity
2 is adapted to own at least one thread.

1 7. The software application framework of claim 6, wherein the at least one
2 thread is automatically created upon start-up of the application entity.

1 8. The software application of claim 7, wherein at least one of the following
2 comprises encapsulated code:

3 the first application entity;
4 the second application entity;
5 the third application entity;
6 the at least one of the at least one plug-in entity; and
7 the at least one of the at least one utility entity.

1 9. The software application framework of claim 1, wherein the software
2 application framework is resident on a mobile equipment.

1 10. The software application framework of claim 1, wherein:
2 the software application framework uses a dual-mode message-exchange procedure;
3 and
4 the procedure comprises use of procedure/stack-based handling and
5 message/serialization-based handling.

1 11. The software application framework of claim 1, wherein the application
2 domain minimizes a need for support code.

1 12. A method of using a software application framework, the method comprising:
2 interfacing a platform domain with application domain software of an application
3 domain via a framework interface domain; and
4 a first application entity of the application domain interacting with at least one of a
5 second application entity, the framework interface domain, at least one utility entity, and at
6 least one plug-in entity.

1 13. The method of claim 12, wherein the application domain further comprises the
2 at least one utility entity and the at least one plug-in entity, the method further comprising:
3 at least one of the at least one utility entity using at least one of:
4 the framework interface domain;
5 at least one of the first application entity, the second application entity, and a
6 third application entity;
7 at least one of the at least one plug-in entity; and
8 at least one of the at least one utility entity; and
9 the at least one plug-in entity using the framework interface domain.

1 14. The method of claim 13, wherein the plug-in entity extends the functionality
2 of the platform domain.

1 15. The method of claim 13, wherein the plug-in entity appears to be a part of the
2 framework interface domain.

1 16. The method of claim 13, wherein the utility entity buffers and shields legacy
2 code.

1 17. The method of claim 13, wherein the application entity owns at least one
2 thread.

1 18. The method of claim 17, wherein the at least one thread is automatically
2 created upon start-up of the application entity.

1 19. The method of claim 18, wherein at least one of the following comprises
2 encapsulated code:

3 the first application entity;

4 the second application entity;

5 the third application entity;

6 the at least one of the at least one plug-in entity; and

7 the at least one of the at least one utility entity.

1 20. The method of claim 12, wherein the software application framework is
2 resident on a mobile equipment.

1 21. The method of claim 12, further comprising:
2 using, by the software application framework, of a dual-mode message-exchange
3 procedure; and
4 wherein the procedure comprises use of procedure/stack-based handling and
5 message/serialization-based handling.

1 22. The method of claim 12, wherein the application domain minimizes a need for
2 support code.